# IN THE CLAIMS:

1. (Currently Amended) A light-emitting device\_comprising:

an anode and a cathode having an emission region between an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium for containing the material,—and

wherein the material contributable to the emission has a substantially successive distribution of concentration from the anode side of the emission region toward the cathode side thereof, and

wherein a part of the emission region that exhibits a maximum concentration of the material contributable to the emission is away from the anode and the cathode.

- 2. (Currently Amended) The light-emitting device as set forth in Claim 1, wherein the material contributable to the emission exhibits the distribution of concentration according to which any one of the anode side of the emission region and the cathode side thereof is higher in concentration than the other, and the concentration reduces from the one side toward the other side—successively.
- 3. (Original) The light-emitting device as set forth in Claim 1, wherein the emission region further comprises charge transport material.
- 4. (Original) The light-emitting device as set forth in Claim 3, wherein the charge transport material has a substantially successive distribution of concentration from the anode side of the emission region toward the cathode side thereof.

5. (Currently Amended) A light-emitting device having comprising:

an anode and a cathode having a charge transport region between an anode and a cathode therebetween,

wherein the charge transport region comprises charge transport material and a medium for containing the charge transport material, and

wherein the charge transport material has a substantially successive distribution of concentration from the cathode side of the charge transport region toward the anode side thereof. and

wherein a part of the charge transport region that exhibits a maximum concentration of the charge transport material is away from the anode and the cathode.

6. (Currently Amended) The light-emitting device as set forth in Claim 1, wherein the emission region includes comprises, at the side of the emission region near the anode or the cathode, a region where the material contributable to the emission is not present.

## 7. (Cancelled)

8. (Currently Amended) The light-emitting device as set forth in Claim 5, wherein the charge transport region includes comprises, at the side of the emission region near the anode or the cathode, a region where the charge transport material is not present.

## 9. (Cancelled)

- 10. (Currently Amended) A lighting device comprising in combination therewith the light-emitting device as set forth in Claim 1.
- 11. (Currently Amended) A light-emitting device having comprising:

an anode and a cathode having an emission region between an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium for containing the material, and

wherein the material contributable to the emission has a distribution of concentration that reduces substantially successively in a direction parallel to a surface of the cathode and a surface of the anode from a substantially center of the emission region toward a periphery thereof.

12. (Currently Amended) The light-emitting device as set forth in Claim 11, <u>further comprising wherein there are provided a number of materials a plurality of materials contributable to the emissions emission and are adjacently arranged in a direction parallel to a surface of the cathode and a surface of the anode, and wherein <u>each of the plurality of materials contributable to the emissions are emission is different in luminous color from each other others of said plurality of materials in luminous color.</u></u>

- 13. (Original) The light-emitting device as set forth in Claim 11, wherein the emission region further comprises charge transport material.
- 14. (Original) The light-emitting device as set forth in Claim 13, wherein the charge transport material has a distribution of concentration that reduces in the direction parallel to the surface of the cathode and the surface of the anode from the substantially center of the emission region toward the periphery thereof.
- 15. (Original) The light-emitting device as set forth in Claim 11, wherein the material contributable to the emission has a substantially successive distribution of concentration from the cathode side of the emission region toward the anode side thereof.

- 16. (Original) The light-emitting device as set forth in Claim 14, wherein the charge transport material has a substantially successive distribution of concentration from the cathode side of the emission region toward the anode side thereof.
- 17. (Original) The light-emitting device as set forth in Claim 11, wherein the emission region includes a region where the material contributable to the emission is not present.
- 18. (Original) The light-emitting device as set forth in Claim 11, wherein the medium for containing the material contributable to the emission has charge transport capabilities.
- 19. (Original) The light-emitting device as set forth in Claim 11, wherein the medium for containing the material contributable to the emission comprises organic material.
- 20. (Currently Amended) The light-emitting device as set forth in Claim 11, wherein the medium comprises a polymer.

- 21. (Currently Amended) A display using comprising in combination therewith the light-emitting device as set forth in Claim 11.
- 22. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:
- a disposing step of disposing locating a medium on the anode or the cathode; and
- a containing step of allowing containing material contributable to emission to be contained in the medium to form the emission region,

wherein said containing comprises dissolving said material contributable to emission in a solvent contained in the medium by steaming.

23. (Currently Amended) A producing method of a lightemitting device having an emission region between an anode and a cathode, the producing method comprising:

a disposing step of disposing a medium containing charge transport material on the anode or the cathode; and

a containing step of allowing containing material contributable to emission to be contained in the medium to form the emission region,

wherein said containing comprises dissolving said material contributable to emission in a solvent contained in the medium by steaming.

24. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:

a disposing step of disposing locating a medium on the an anode or the a cathode; and

a containing step of allowing material contributable to emission and charge transport material to be contained in the medium.

25. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:

a disposing step of disposing locating a medium containing charge transport material on the an anode or the a cathode; and

a containing step of allowing material contributable to emission and charge transport material to be contained in the medium.

26. (Currently Amended) A producing method of producing a light-emitting device having a charge transport region between an anode and a cathode, the producing method comprising:

a disposing step of disposing locating a medium on the an anode or the a cathode; and

a containing step of allowing charge transport material to be contained in the medium.

## 27. (Cancelled)

28. (Currently Amended) The producing method of producing a light-emitting device as set forth in Claim 24, wherein in the said containing step, comprises penetrating the material contributable to the emission and the charge transport material are penetrated into the medium, whereby they so that said materials are contained in the medium.

#### 29. (Cancelled)

30. (Currently Amended) The producing method of producing a light-emitting device as set forth in Claim 24, wherein in the said containing step, comprises bringing a solution obtained by comprising the material contributable to the emission and the charge transport material being dissolved in solvent is brought into contact with the medium, whereby so that the materials are penetrated into the medium.

#### 31.-32. (Cancelled)

33. (Currently Amended) A light-emitting devicedevice, comprising:

an anode and a cathode having an emission region between an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium comprising organic material for containing the material,

wherein at least one of an anode side of the emission region and a cathode side thereof is made porous, and

wherein the material contributable to emission is collected and included in a surface of the emission region which is made porous.

34. (Currently Amended) A light-emitting devicedevice, comprising:

an anode and a cathode having an emission region between an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium comprising organic material for containing the material,

wherein at least one of an anode side of the emission region and a cathode side thereof is made porous, and

wherein material contributable to emission is collected and included in a region in the vicinity of a surface of the emission region which is made porous.

- 35. (Currently Amended) The light-emitting device as set forth in Claim 33, wherein charge transport material is included in a surface of the emission region which is has been made porous.
- 36. (Currently Amended) The light-emitting device as set forth in Claim 33, wherein a leveled layer comprising charge transport material is has been provided on a surface of the emission region which is made porous.
- 37. (Currently Amended) A light-emitting device, comprising:

an anode and a cathode having a charge transport region between an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium comprising organic material for containing the material, and

wherein at least one of an anode side of the charge transport region and a cathode side thereof is made porous.

- 38. (Original) The light-emitting device as set forth in Claim 37, wherein the charge transport region is a hole transport region.
- 39. (Original) The light-emitting device as set forth in Claim 37, wherein the charge transport region is an electron transport region.
- 40. (Currently Amended) The light-emitting device as set forth in Claim 33, wherein the emission region comprises an organic matter.

- 41. (Currently Amended) The light-emitting device as set forth in Claim 33, wherein the emission region comprises  $\underline{a}$  polymer.
- 42. (Currently Amended) A light-emitting devicedevice, comprising:

an anode and a cathode having an emission region between—an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium comprising organic material for containing the material,

wherein at least one of an anode side of the emission region and a cathode side thereof is roughened, and

wherein the material contributable to emission is collected and included in a surface of the roughened emission region.

43. (Currently Amended) A light-emitting devicedevice, comprising:

an anode and a cathode having an emission region between an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium comprising organic material for containing the material,

wherein at least one of an anode side of the emission region and a cathode side thereof is roughened, and

wherein the material contributable to emission is collected and included in a region in the vicinity of a roughened surface of the emission region.

- 44. (Original) The light-emitting device as set forth in Claim 42, wherein a leveled layer comprising charge transport material is provided on a roughened surface of the emission region.
- 45. (Currently Amended) A light-emitting devicedevice, comprising:

an anode and a cathode having a charge transport region between an anode and a cathode therebetween,

wherein the emission region comprises material contributable to emission and a medium comprising organic material for containing the material, and

wherein at least one of an anode side of the charge transport region and a cathode side thereof is roughened.

- 46. (Original) The light-emitting device as set forth in Claim 45, wherein the charge transport region is a hole transport region.
- 47. (Original) The light-emitting device as set forth in Claim 45, wherein the charge transport region is an electron transport region.

# 48. (Cancelled)

49. (Currently Amended) The light-emitting device as set forth in Claim 42, wherein the emission region comprises  $\underline{a}$  polymer.

- 50. (Currently Amended) A display using comprising in combination therewith the light-emitting device as set forth in Claim 33.
- 51. (Currently Amended) A lighting device using comprising in combination therewith the light-emitting device as set forth in Claim 33.
- 52. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:

medium disposing step of disposing locating a medium
comprising organic material on the an anode or the a cathode;
and

- a porosity producing step of making at least a part of the medium comprising organic material porous.
- 53. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:

medium disposing step of disposing locating a medium comprising organic material on the an anode or the a cathode;

a porosity producing step of making at least one of an anode side of the medium comprising organic material and a cathode side thereof porous; and

a disposing step of disposing locating material contributable to emission on a porous surface of the medium comprising organic material, so that the emission region is formed by the medium and the material contributable to the emission.

- 54. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:
- a medium disposing step of disposing locating a medium comprising organic material on the an anode or the a cathode;
- a porosity producing step of making at least one of an anode side of the medium comprising organic material and a cathode side thereof porous;

a containing step of allowing containing material contributable to emission to be contained in a region in the vicinity of a porous surface of the medium comprising organic material, so that the emission region is formed by the medium and the material contributable to the emission; and

a disposing step of disposing locating charge transport material on a porous surface of the medium.

- 55. (Currently Amended) The producing method of producing a light-emitting device as set forth in Claim 53, which comprises a disposing step of disposing further comprising locating charge transport material on a porous surface of the emission region.
- 56. (Currently Amended) The producing method of producing a light-emitting device as set forth in Claim 53, which comprises a leveled layer forming step of further comprising forming a leveled layer comprising charge transport material on the emission region.

- 57. (Currently Amended) The producing method of producing a light-emitting device as set forth in Claim 53, wherein the disposing step is a step of disposing comprising locating a medium containing material soluble in a specified solvent, and the peresity producing step is a step of eluting the soluble material from the solvent to thereby make the medium porous.
- 58. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:
- a medium disposing step of disposing locating a medium comprising organic material on the an anode or the a cathode;
- a roughening step of roughening a part of the medium comprising organic material.
- 59. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:

a medium disposing step of disposing locating a medium comprising organic material on the an anode or the a cathode;

a roughening step of roughening at least one of an anode side of the medium comprising organic material and a cathode side thereof; and

a disposing step of disposinglocating material contributable to emission on a roughened surface of the medium comprising organic material, so that the emission region is formed by the medium and the material contributable to the emission.

60. (Currently Amended) A producing method of producing a light-emitting device having an emission region between an anode and a cathode, the producing method comprising:

a medium disposing step of disposing locating a medium comprising organic material on the an anode or the a cathode;

a roughening step of roughening at least one of an anode side of the medium comprising organic material and a cathode side thereof; and

a containing step of allowing containing material contributable to emission to be contained in a region in the vicinity of a roughened surface of the medium comprising organic material, so that the emission region is formed by the medium and the material contributable to the emission.

- 61. (Currently Amended) The producing method of producing a light-emitting device as set forth in Claim 59, which comprises a leveled layer forming step of further comprising forming a leveled layer comprising charge transport material on the emission region.
- 62. (Currently Amended) The producing method of producing a light-emitting device as set forth in Claim 59, wherein the roughening step is a step of comprising roughening the emission region by dry etching.